

# CIRCULARLY POLARIZED GROUND MAT ANTENNA

## SlimLine - A5530C

### ABOUT TIMES-7

Pushing the boundaries of RFID technology worldwide Times-7 are leaders in RFID antenna design and manufacture. Our patented award winning UHF antennas meet the needs of virtually any industry application; providing customers with fast accurate tracking of products, assets & people; empowering organizations to transform processes & reduce costs.

Our SlimLine range of antennas are unique in the RFID industry; offering high levels of performance & durability in an aesthetically superior form.

Proven in a diverse & growing range of markets, applications include: retail & customer interaction, conference & people tracking, race timing, baggage handling, and logistic & supply chain asset management.

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*The A5530C Ground Mat*

Ultra-low profile ground mat antenna

Just 12 mm / 0.5 in. thick

Robust design & superb aesthetics

ideal for event / race timing applications

Part of Times-7's exclusively unique range of ground antennas the A5530C is a high performance ground mat antenna optimized for applications involving moving products, assets and people. Offering unmatched performance in event and race timing, the A5530C is ideal for RFID deployments where an ultra-low profile, robust and weather resistant antenna is required.

At just 12 mm / 0.5 " thick, the durable A5530C has superb aesthetics, IP rating, and load bearing capabilities. With increased versatility, flexibility and performance over traditional side antennas, the unique A5530C ground mat antenna is in a class of its own.

SMB-SMA adapter included for antenna protection and easy cable replacement.

## Specifications

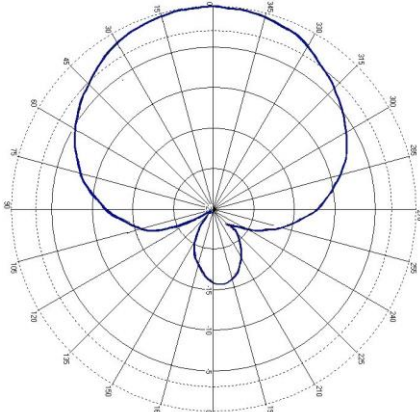
### Physical / Environmental Specifications

Dimensions (L x W x D):	1220 mm x 600 mm x 12 mm 4' x 2' x 0.5'
Weight:	8.4 kg / 18.5 lbs.
Radome Material:	Molded polyurethane housing
Environmental Rating:	IP66
Operating / Storage Temperature:	0° to +50°C / -30° to +60°C 32° to +122°F / -22° to +140°F
Connector type / position:	SMA female side fly lead (300 mm / 1 ft.)
Adapter:	SMA-SMB adapter

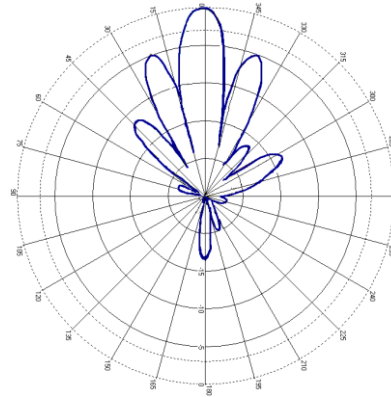
### Electrical Specifications

Frequency Range:	864-869 MHz / 902-928 MHz
Polarization:	Circular
Far-field Gain:	9.5 dBiC
Far-field 3 dB beamwidth:	85° in XZ, 13° in YZ
Typical VSWR across frequency range:	< 2:1
Front to back ratio:	18 dB
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

### E-field elevation & Azimuth Patterns



XZ-plane



YZ-plane

### Ordering Information (please quote both product code & part no.)

Product Code	Band	Part No.
A5530C	ETSI 865-868 MHz	71752
A5530C	FCC 902-928 MHz	71644

Cable Accessories		Part No.
Label Set for cable tray and mat ID		70745
Cable Accessories	Cable Type	Part No.
Cable 2 m, SMA to RPTNC	195 / 240	71436 / 71782
Cable 4 m, SMA to RPTNC	195 / 240	71437 / 71784
Cable 8 m, SMA to RPTNC	195 / 240	71438 / 71788

## Applications

- Event & Race Timing
- Conference Attendee / People Tracking
- Industrial Asset Tracking



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### OUR GLOBAL NETWORK

Constantly increasing market reach and influence in the global RFID industry, Times-7's international support spans The Americas, Europe, and Asia Pacific regions through our distributor, authorized reseller and integrated solutions provider network.

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